



Table S24. Summary statistics for natural gas – Michigan, 2009-2013

|  | 2009             | 2010             | 2011             | 2012                         | 2013             |
|--|------------------|------------------|------------------|------------------------------|------------------|
| <b>Number of Producing Gas Wells</b>   |                  |                  |                  |                              |                  |
| at End of Year                         | 10,600           | 10,100           | 11,100           | 10,900                       | 10,858           |
| <b>Production (million cubic feet)</b> |                  |                  |                  |                              |                  |
| Gross Withdrawals                      |                  |                  |                  |                              |                  |
| From Gas Wells                         | 20,867           | 7,345            | 18,470           | 17,041                       | 17,502           |
| From Oil Wells                         | 12,919           | 9,453            | 11,620           | 4,470                        | 4,912            |
| From Coalbed Wells                     | 0                | 0                | 0                | 0                            | 0                |
| From Shale Gas Wells                   | 125,614          | 119,984          | 113,736          | 107,822                      | 101,208          |
| <b>Total</b>                           | <b>159,400</b>   | <b>136,782</b>   | <b>143,826</b>   | <b>129,333</b>               | <b>123,622</b>   |
| Repressuring                           | 2,340            | 2,340            | 2,340            | NA                           | NA               |
| Vented and Flared                      | 3,324            | 3,324            | 3,324            | NA                           | NA               |
| Nonhydrocarbon Gases Removed           | NA               | NA               | NA               | NA                           | NA               |
| Marketed Production                    | 153,736          | 131,118          | 138,162          | 129,333                      | 123,622          |
| NGPL Production                        | 2,334            | 2,943            | 2,465            | 2,480                        | 2,345            |
| <b>Total Dry Production</b>            | <b>151,402</b>   | <b>128,175</b>   | <b>135,697</b>   | <b>126,853</b>               | <b>121,277</b>   |
| <b>Supply (million cubic feet)</b>     |                  |                  |                  |                              |                  |
| Dry Production                         | 151,402          | 128,175          | 135,697          | 126,853                      | 121,277          |
| Receipts at U.S. Borders               |                  |                  |                  |                              |                  |
| Imports                                | 12,216           | 11,365           | 15,193           | 11,630                       | 8,521            |
| Intransit Receipts                     | 0                | 0                | 0                | 0                            | 17,491           |
| Interstate Receipts                    | 1,862,322        | 1,860,721        | 1,906,908        | <sup>R</sup> 1,805,044       | 1,662,101        |
| Withdrawals from Storage               |                  |                  |                  |                              |                  |
| Underground Storage                    | 393,748          | 434,764          | 385,364          | 323,187                      | 551,992          |
| LNG Storage                            | 0                | 0                | 0                | 0                            | 0                |
| Supplemental Gas Supplies              | 0                | 0                | 0                | 0                            | 0                |
| Balancing Item                         | -123,128         | -133,117         | -202,054         | <sup>R</sup> -144,636        | -168,879         |
| <b>Total Supply</b>                    | <b>2,296,561</b> | <b>2,301,908</b> | <b>2,241,107</b> | <b><sup>R</sup>2,122,079</b> | <b>2,192,503</b> |

See footnotes at end of table.

Table S24. Summary statistics for natural gas – Michigan, 2009-2013 – continued

|  | 2009               | 2010               | 2011               | 2012                         | 2013               |
|--|--------------------|--------------------|--------------------|------------------------------|--------------------|
| <b>Disposition (million cubic feet)</b>                                |                    |                    |                    |                              |                    |
| Consumption  | 735,340            | 746,748            | 776,466            | <sup>R</sup> 790,642         | 813,300            |
| Deliveries at U.S. Borders   |                    |                    |                    |                              |                    |
| Exports  | 673,318            | 721,075            | 876,267            | 872,620                      | 684,510            |
| Intransit Deliveries   | 308,919            | 325,205            | 74,231             | 0                            | 11,398             |
| Interstate Deliveries  | 116,961            | 115,066            | 56,903             | 150,868                      | 269,123            |
| Additions to Storage   |                    |                    |                    |                              |                    |
| Underground Storage  | 462,022            | 393,814            | 457,240            | 307,948                      | 414,172            |
| LNG Storage  | 0                  | 0                  | 0                  | 0                            | 0                  |
| <b>Total Disposition</b>   | <b>2,296,561</b>   | <b>2,301,908</b>   | <b>2,241,107</b>   | <b><sup>R</sup>2,122,079</b> | <b>2,192,503</b>   |
| <b>Consumption (million cubic feet)</b>                                |                    |                    |                    |                              |                    |
| Lease Fuel   | <sup>E</sup> 6,841 | <sup>E</sup> 6,626 | <sup>E</sup> 5,857 | <sup>E</sup> 7,428           | <sup>E</sup> 7,248 |
| Pipeline and Distribution Use <sup>a</sup>                             | 23,468             | 24,904             | 23,537             | <sup>R</sup> 20,496          | 19,038             |
| Plant Fuel   | 1,686              | 1,684              | 1,303              | 1,174                        | 1,071              |
| Delivered to Consumers   |                    |                    |                    |                              |                    |
| Residential  | 327,113            | 304,330            | 318,004            | 276,778                      | 334,211            |
| Commercial   | 163,683            | 152,350            | 163,567            | 144,609                      | 171,519            |
| Industrial   | 128,504            | 143,351            | 151,083            | 158,591                      | 170,833            |
| Vehicle Fuel   | 241                | 259                | 332                | <sup>R</sup> 332             | 372                |
| Electric Power   | 83,805             | 113,245            | 112,783            | 181,235                      | 109,007            |
| <b>Total Delivered to Consumers</b>                                    | <b>703,346</b>     | <b>713,533</b>     | <b>745,769</b>     | <b><sup>R</sup>761,544</b>   | <b>785,943</b>     |
| <b>Total Consumption</b>   | <b>735,340</b>     | <b>746,748</b>     | <b>776,466</b>     | <b><sup>R</sup>790,642</b>   | <b>813,300</b>     |
| <b>Delivered for the Account of Others (million cubic feet)</b>        |                    |                    |                    |                              |                    |
| Residential  | 20,732             | 24,539             | 25,037             | <sup>R</sup> 23,162          | 27,948             |
| Commercial   | 65,685             | 67,402             | 75,019             | 70,845                       | 80,247             |
| Industrial   | 113,348            | 130,758            | 137,020            | 146,934                      | 158,110            |
| <b>Number of Consumers</b>   |                    |                    |                    |                              |                    |
| Residential  | 3,169,026          | 3,152,468          | 3,153,895          | <sup>R</sup> 3,161,033       | 3,180,349          |
| Commercial   | 252,017            | 249,309            | 249,456            | 249,994                      | 250,994            |
| Industrial   | 18,186             | 9,332              | 9,088              | 8,833                        | 8,497              |
| <b>Average Annual Consumption per Consumer (thousand cubic feet)</b>   |                    |                    |                    |                              |                    |
| Commercial   | 649                | 611                | 656                | 578                          | 683                |
| Industrial   | 7,066              | 15,361             | 16,624             | 17,954                       | 20,105             |
| <b>Average Price for Natural Gas (dollars per thousand cubic feet)</b> |                    |                    |                    |                              |                    |
| Imports  | 4.50               | 4.73               | 4.38               | 2.88                         | 4.02               |
| Exports  | 4.58               | 4.85               | 4.44               | 3.12                         | 4.07               |
| Citygate   | 7.24               | 7.07               | 6.18               | 5.50                         | 4.91               |
| Delivered to Consumers   |                    |                    |                    |                              |                    |
| Residential  | 11.27              | 11.32              | 10.47              | <sup>R</sup> 9.95            | 9.09               |
| Commercial   | 9.38               | 8.95               | 9.14               | 8.35                         | 7.82               |
| Industrial   | 9.63               | 9.25               | 8.27               | 7.38                         | 6.97               |
| Vehicle Fuel   | --                 | --                 | --                 | --                           | --                 |
| Electric Power   | 4.55               | 4.97               | 4.76               | 3.21                         | 4.57               |

-- Not applicable.

<sup>E</sup> Estimated data.<sup>NA</sup> Not available.<sup>R</sup> Revised data.

<sup>a</sup> Beginning in 2009, Pipeline and Distribution Use volumes now include Line Loss, defined as known volumes of natural gas that were the result of leaks, damage, accidents, migration, and/or blow down.

**Notes:** Beginning in 2008, Michigan revised the manner in which it reports natural gas production data, which resulted in a decrease of its production volumes compared to prior years. Totals may not add due to independent rounding. Prices are in nominal dollars.

**Sources:** Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-895, "Annual Quantity and Value of Natural Gas Production Report"; Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-910, "Monthly Natural Gas Marketer Survey"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report"; Form EIA-191M, "Monthly Underground Gas Storage Report"; Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports; the Bureau of Safety and Environmental Enforcement, and predecessor agencies; Form EIA-906, "Power Plant Report"; Form EIA-920, "Combined Heat and Power Plant Report"; Form EIA-923, "Power Plant Operations Report"; Form EIA-886, "Annual Survey of Alternative Fueled Vehicles"; state agencies; Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves"; LCI; DI; Ventyx; and EIA estimates based on historical data.